



**European Council
of
Civil Engineers**

**Standing Committee on
Education & Training**

**Results of the European project EUGENE European
and Global Engineering Education
(01.10.2009 – 30.09.2012),
in which ECCE was partner**

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ECCE contact person in EUGENE**

**56th ECCE meeting
Dubrovnik, 26th October 2012**



EUGENE

**European and Global Engineering
Education**



Partners	
Universities	54
Professional associations (Including ECCE)	9
Academic associations	3
Companies	3
Research institutes	2
Total	71



EUGENE - Aims and objectives (main activity lines):

- *A) Ph. D. STUDIES:* Structure and Bologna follow-up in the competitiveness issues (main question: are Ph D studies in Engineering and Technology in Europe effective/innovative/competitive enough?);
- *B) PROMOTE EE IN EUROPE AS A TRUE RESEARCH FIELD* (with comparison of worldwide developments in EER ...): a true and innovative research area to improve entrepreneurship, innovation and competitiveness;
- *C) IMPROVE transnational MOBILITY* of engineering students, graduates and Professionals
- *D) LLL & CONTINUING EDUCATION* as a tool to improve competitiveness and innovation of European engineers DIPOLI-HUT/UPV; M. Markkula, G. Haug
- *E) INCREASE ATTRACTIVENESS of studies in science and engineering and to EHERA:* involve students organisations (ERASMUS Mundus Network, TEMPUS Mediterranean, as follow-up ...) and promote awareness outside the EU of EE evolution and opportunities;



23 work packages

44 deliverables



Line C: IMPROVE transnational MOBILITY of engineering students, graduates and professionals

This item involved two main aspects:

Ca) Within EHEA: Checking and improving the applicability and consistency (in the Engineering field) of European Qualification Frameworks, EU Directive on Recognition of Professional Qualifications, Accreditation Standards and other relevant “European” documents.

Deliverable output(s): Revised documents, tested during the project.

Cb) On the global scale: Comparison of the “European” documents with other documents and agreements (Washington and other Accords in the IEA, but also regional and national Standards in the other parts of the world: e.g. North Africa, S.E. Asia, Latin America); tentative agreements for mutual recognition.

Work Package 7

European Engineering Standards and Qualification Frameworks

Deliverable 22 Round Table Discussion on paper “High Level Qualifications Frameworks and the EUR-ACE Framework Standards – do they fit together?”

Deliverable 23 Public Discussion on first draft of WP7 Final Report.

Deliverable 24 High Level European Qualifications Frameworks and Engineering Standards: a critical comparative review and suggestions for improving applicability and consistency”

Work Package 8

Comparison of EUR-ACE and International Engineering Alliance Standards (Line C)

Deliverable 45 Updated version of the Glossary of Terms Relevant to Higher Education (Engineering) – NOT FORESEEN IN THE ORIGINAL APPLICATION

Deliverable 25 Public Discussion on first draft of WP8 Final Report

Deliverable 26 Comparison of the EUR-ACE Standards and the requirements of the Washington and Sydney Accords.

Work Package 9

Engineering Standards Worldwide

Deliverable 27 Engineering Standards worldwide; a comparative collection.

This Work Package began in October 2010, and initial work has focused on contributing to an important project led by OECD (Organization for Economic Co-operation and Development). This project, Assessment of Higher Education Learning Outcome (AHELO), is a feasibility study to investigate the development of assessment methods for higher education that would be globally 'valid for all cultures and languages'. This project is complementary to the work of EUGENE Work Package 9 as engineering is one of the three academic subjects in the present feasibility study (civil engineering, mechanical engineering, economy).

Work Package 10

Mutual recognition of engineering degrees and qualifications

Deliverable 28 Proposals for Mutual recognition of engineering degrees and qualifications

**Contributions of ECCE to the Line C,
workpackage 10, of the project EUGENE**
(submitted in the preparation of the 3rd Scientific Meeting,
Valencia, 15-16 May 2012)

- **ECCE position on professional civil engineers**

based on documents:

“ECCE professional recognition recommendation, including the Civil Engineering Charter” – 2009

and

“Professional recognition procedures in Europe” – 2011

- **EU Directive 2005/36/EC on the recognition of professional qualification. Summary about proposal of changes**

Report no 7/SC 1 prepared by Prof. Fernando Branco, May 2012



Main events

• Kick off meeting	Florence, 13 November 2009
• 1 st Scientific Conference	Gothenburg, 16 -17 December 2010
• 2 nd Scientific Conference	Leuven, 26-28 October 2011
• 3 rd Scientific Conference	Valencia, 15-16 May 2012
• Final meeting	Florence 14 September 2012



All EUGENE deliverables are found at:

<http://www.eugene.unifi.it/>